**DARIUS KARIMI- EIT**

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**SUMMARY**

* Gifted and well-educated Chemical Engineer offering more than 10 years of experience
* In-depth knowledge and industry experience in process optimization and resource allocation demonstrated across 10 years of successful performance
* Designed from concept to detailed; BFD, PFD, P&ID and used control systems such as EMERSON, YOKOGAWA and HONEYWELL
* Committed and dedicated to providing troubleshooting and resolution to issues
* Vice-President of Graduate student’s society in university of Windsor 2016-2017

**SKILL**

* Professional Engineering License(In the licensing process)
* Supervision plant operations
* Operation monitoring
* Using scientific principles related to magnitude, momentum,heat transfer
* Analysis of process flows
* Wastewater treatment
* Automation and control systems
* Investigating and troubleshooting plant/process problems
* Process and plant design
* Strong decision maker
* Proficient in Process simulation[HYSYS, ASPEN PLUS]
* Proficient in [ISO 9000/2000, FMEA, SPC, SQA, SQFE]

**EDUCATION**

**P.h.D** ; Environmental Engineering **August 2015-Present**

University of Windsor –Windsor, Ontario

**Master of Engineering** ; (Chemical Process Engineer) **September 2001- August 2003**

Amirkabir university of technology (Tehran polytechnic)-Tehran

**Bachelor of Engineering** ; (Chemical Enginnering) **September 1995- August 2000**

Amirkabir university of technology (Tehran polytechnic)-Tehran

**WORK EXPERINCE**

**Research Assistant 08/2015 - 04/2019**

University of Windsor-Windsor, ON

* Prepared of written or audiovisual materials, served as tutors and Consulting with students
* Leading discussions and supervising laboratories, designed any assessment tool that evaluates

students understanding of course materials

* Research area; Environmental engineering, Wastewater treatment, anaerobic digestion process,
* Renewable energy, Biogas from industrial wastewater
* Measured and analyzed wastewater characteristics such as TSS/VSS, COD, VFAs, NH3-N, Alkalinity,…

**Project engineering coordinator 12/2013- 08/2015**

IRITEC (Iran International Engineering Company)- Tehran, Tehran Province

* Coordinated series of activities or tasks performed by all  engineering disciplines involved in project
* Conducting technical analysis, report writing, and preparing conceptual, preliminary and detailed designs.

**Process engineer 12/2008 -12/2013**

IRITEC (Iran International Engineering Company)- Tehran, Tehran Province

* Modification/Development of Process Flow Diagram (PFD), Piping & Instrumentation Diagram (P&ID)
* Coordinated process-related technical concerns with vendors and engineering disciplines including, instrumentation, piping, mechanical, civil, electrical
* Design and modification of Logic Diagrams and plant control philosophies
* Supported commissioning and start-up program for three projects

**Project engineer 08/2004-12/2008**

Institute science service- Tehran, Tehran, Iran

* Created, document and implement inspection criteria and procedures
* Investigated and corrected customer issues and complaints relating to quality
* Modified previous standards, check lists, questionnaires, tips for implementers